

$$W = \sum_{i=1}^3 \sum_{j=1}^m \frac{\mu_j}{\alpha_j} \left[\left(\lambda_i^{\alpha_j} - 1 \right) + \frac{1}{n} \left(J^{-n\alpha_j} - 1 \right) \right]$$

$$J = \lambda_1 \lambda_2 \lambda_3;$$

110

$$J\sigma_i = \sum_{j=1}^m \mu_j \left[\lambda_i^{\alpha_j} - J^{-n\alpha_j} \right], i = 1, 2, 3$$

120

$$\sigma_{oi} = \frac{1}{\lambda_i} \sum_{j=1}^m \mu_j \left[\lambda_i^{\alpha_j} - J^{-n\alpha_j} \right], i = 1, 2, 3$$

130

$$\lambda_2 = \lambda_3; \lambda_3 = \lambda_1^{-n/(2n+1)}$$

$$n = \frac{-\ln \lambda_3}{2 \ln \lambda_3 + \ln \lambda_1}$$

140

$$\sigma_0(\lambda_1) = \frac{1}{\lambda_1} \sum_{j=1}^m \mu_j \left[\lambda_1^{\alpha_j} - \lambda_1^{\frac{-n\alpha_j}{2n+1}} \right]$$

150

FIG. 1

$$f(\lambda_i) = \sum_{j=1}^m \mu_j \lambda_i^{\alpha_j}$$

210

$$\lambda_1 \sigma_0(\lambda_1) = f(\lambda_1) - f(\lambda_1^{-n/(2n+1)})$$

220

$$\nu = n/(2n+1)$$

230

$$\lambda \sigma_0(\lambda) = f(\lambda) - f(\lambda^{-\nu})$$

240

$$\lambda^{-\nu} \sigma_0(\lambda^{-\nu}) = f(\lambda^{-\nu}) - f(\lambda^{\nu^2})$$

250

$$\lambda^{\nu^2} \sigma_0(\lambda^{\nu^2}) = f(\lambda^{\nu^2}) - f(\lambda^{-\nu^3})$$

260

....

FIG. 2

$$\begin{aligned}
 f(\lambda) &= \lambda \sigma_0(\lambda) + \lambda^{-\nu} \sigma_0(\lambda^{-\nu}) \\
 &\quad + \lambda^{\nu^2} \sigma_0(\lambda^{\nu^2}) \\
 &\quad + \lambda^{-\nu^3} \sigma_0(\lambda^{-\nu^3}) + \dots
 \end{aligned}$$

310

$$f(\lambda) = \lambda \sigma_0(\lambda) + \sum_{j=1}^m \lambda^{[-\nu]^j} \sigma_0(\lambda^{[-\nu]^j})$$

320

$$\varepsilon_i = \lambda_i - 1$$

330

$$f(\lambda_i) = \lambda_i \sigma_0(\varepsilon_i) + \sum_{j=1}^m \lambda_i^{[-\nu]^j} \sigma_0(\lambda_i^{[-\nu]^j} - 1)$$

340

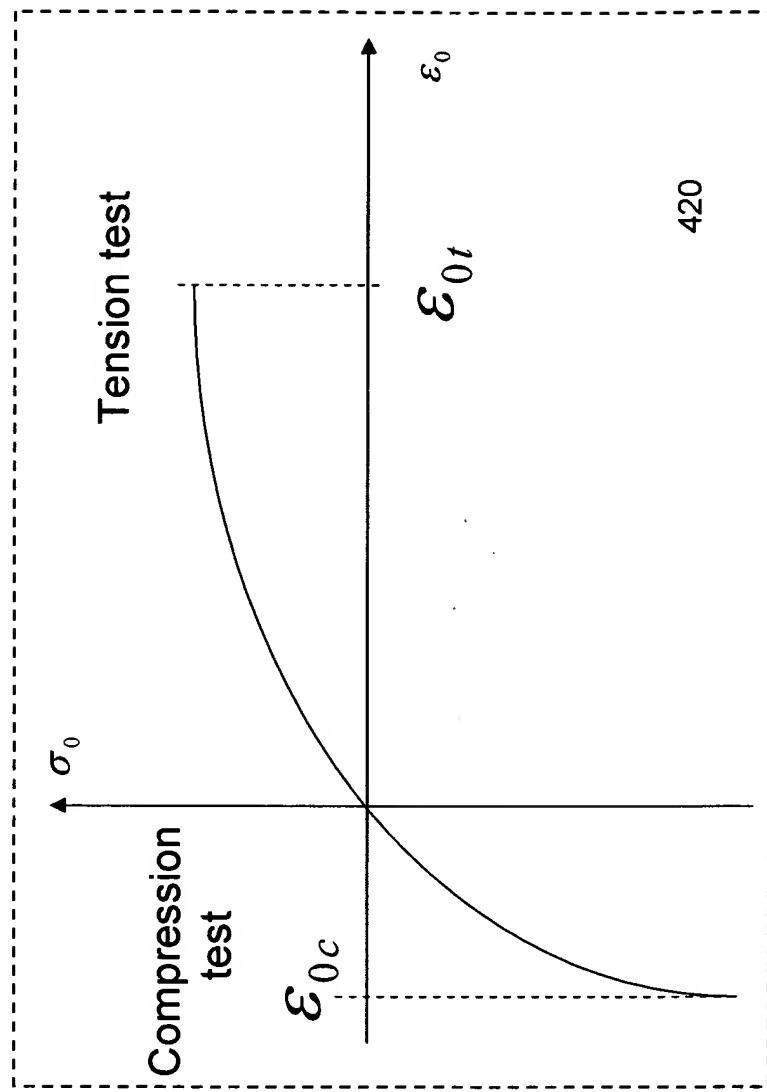
$$\sigma_{0i} = \frac{1}{\lambda_i} [f(\lambda_i) - f(J^{-n})]; i = 1, 2, 3$$

350

$$\sigma_i = \frac{1}{J} [f(\lambda_i) - f(J^{-n})]; i = 1, 2, 3$$

360

FIG. 3



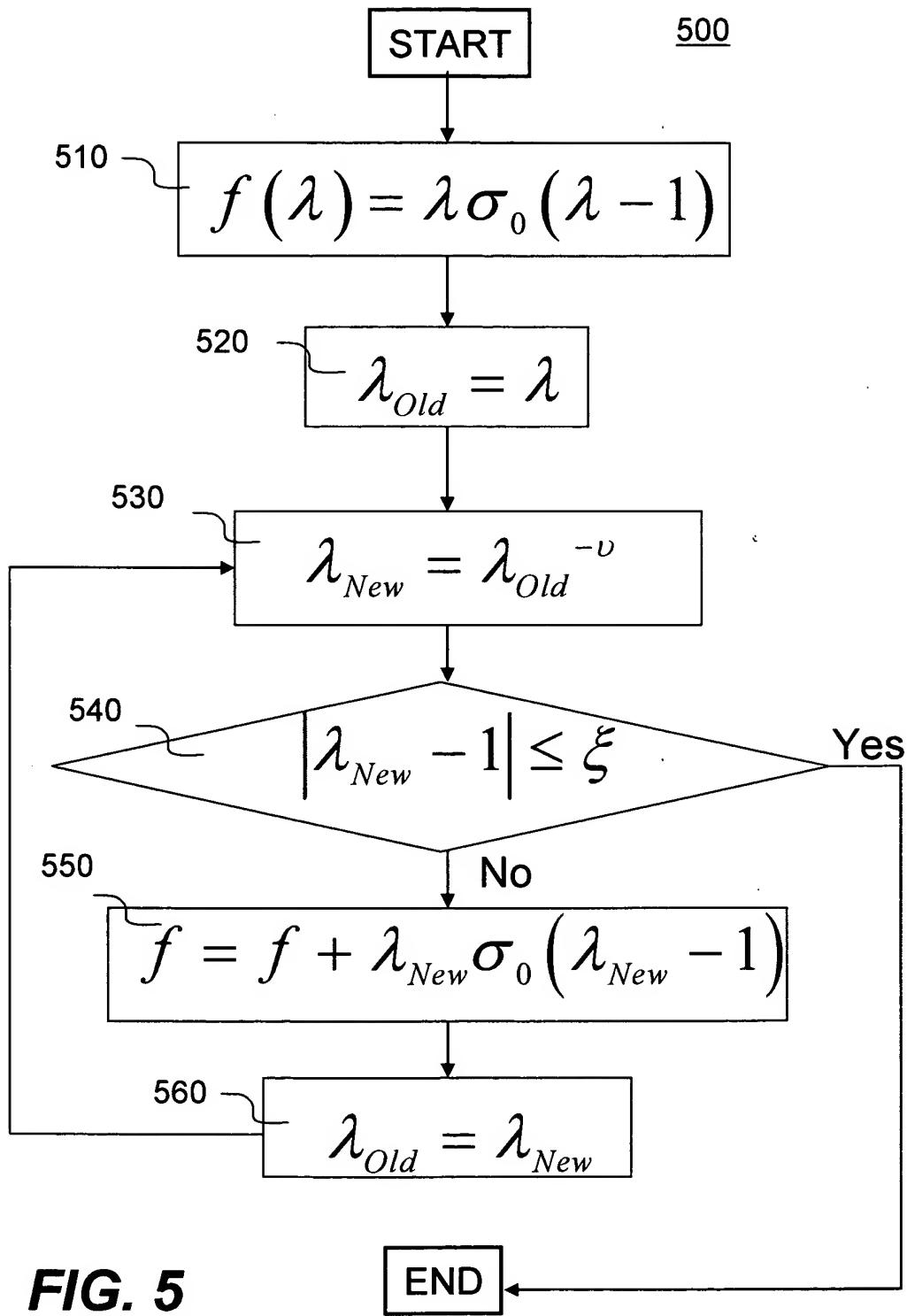
430

$$\mathcal{E}_{0\min} = \min \left(\mathcal{E}_{0c}, \frac{1}{\sqrt{\mathcal{E}_{0t} + 1}} - 1 \right)$$

$$\mathcal{E}_{0\max} = \max \left(\mathcal{E}_{0t}, \frac{1}{\sqrt{\mathcal{E}_{0c} + 1}} - 1 \right)$$

$$\mathcal{E}_0 = \lambda - 1$$

FIG. 4



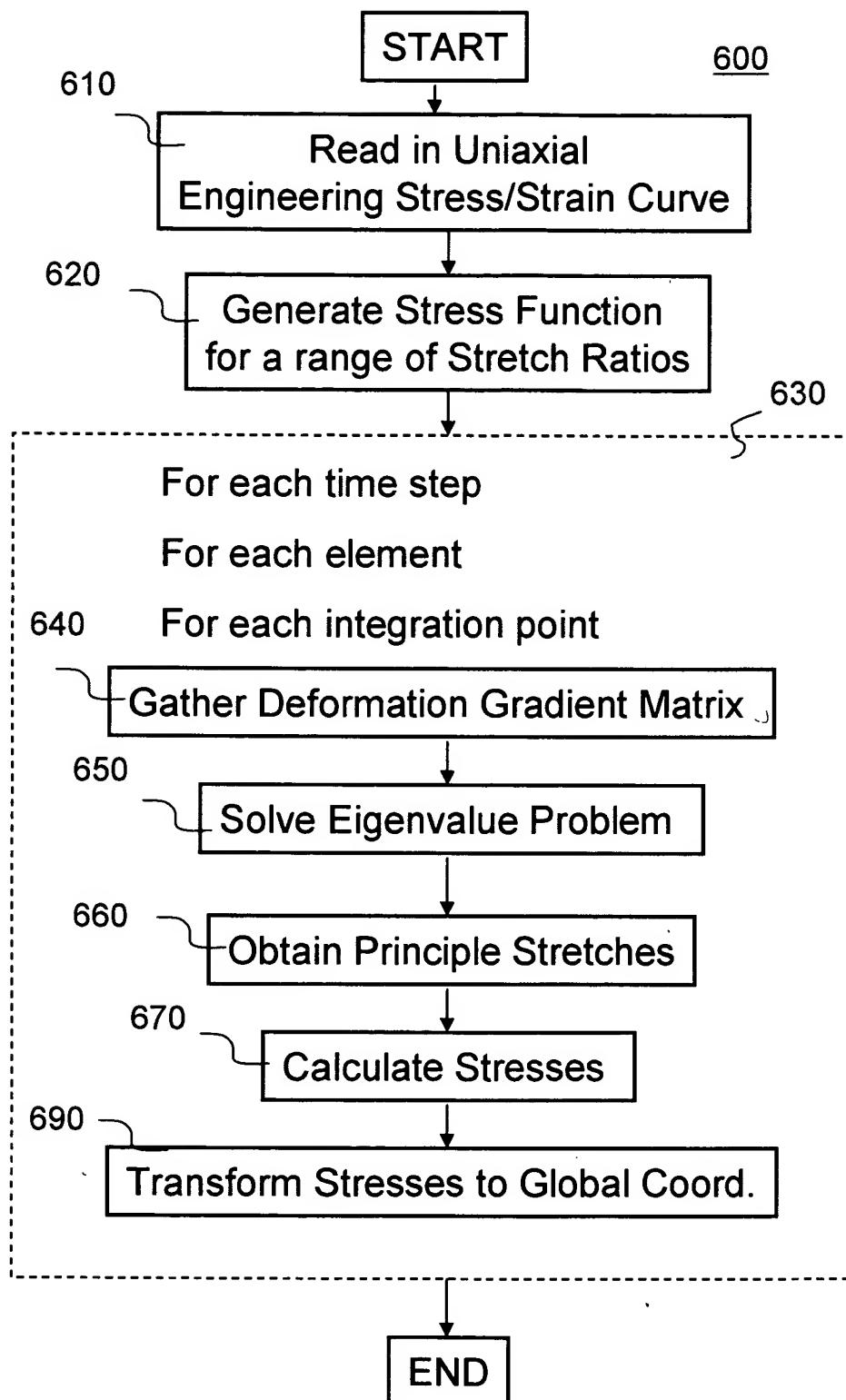


FIG. 6

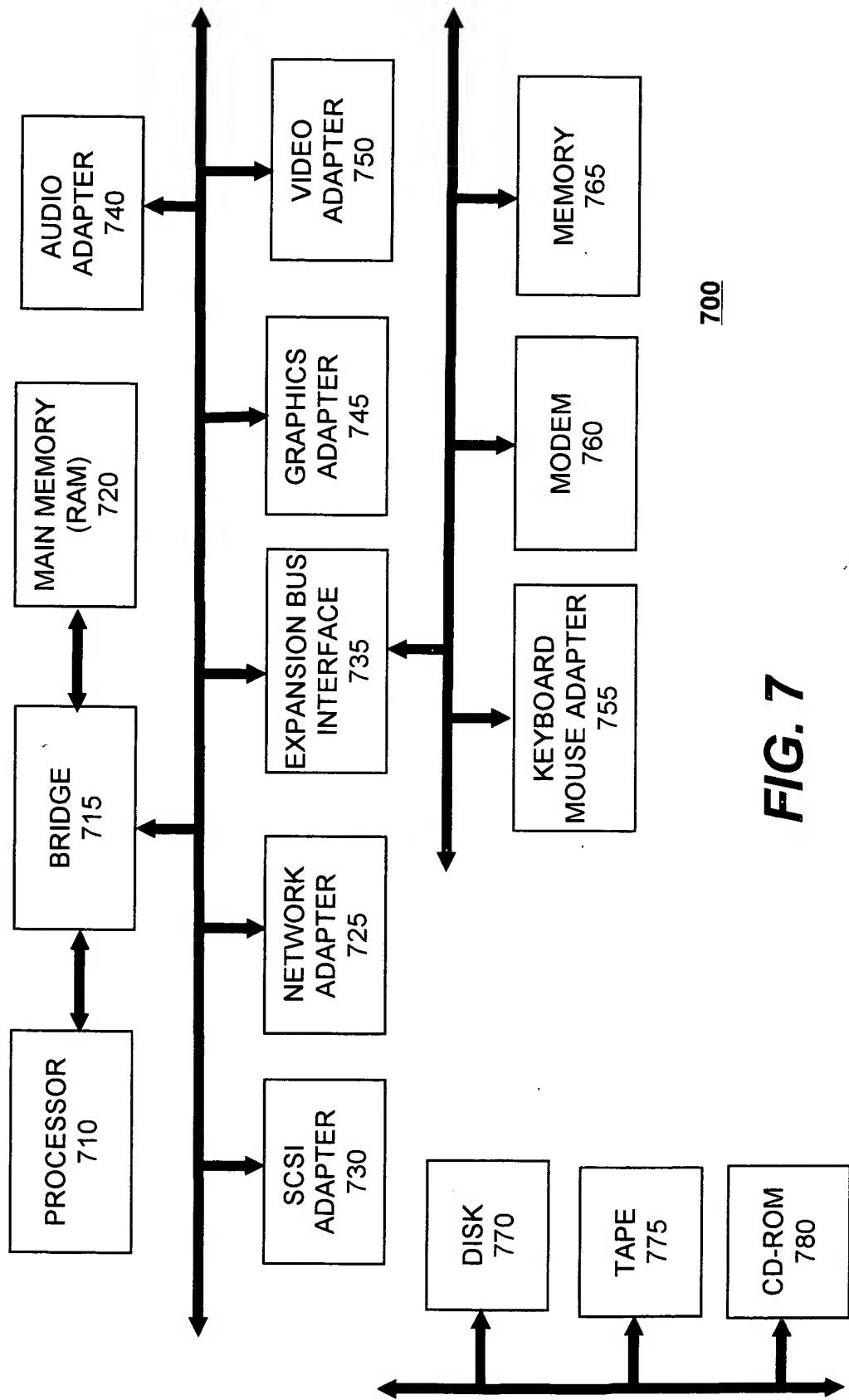


FIG. 7

700